

FLEET REPORT

Nevada Highway Patrol
Lt. Bill Bainter

Overview

Monthly Shop Report for Reno:

During the month of January, the Reno mechanics shop completed five factory recall repairs on the 2003- 2004 Ford Crown Victoria Police Interceptors. The recalls were for defective (cracked) wheel welds. In addition, one Chevy Impala was recalled for a cooling system failure and one Chevy Silverado Pickup was recalled for a defective tailgate.

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The Reno mechanics shop began the build process for the 2005 Ford Expeditions. The Reno mechanics are in the final stages of the first build and the radio shop is finishing an Expedition for Elko.

The Reno mechanics shop completed a field test on a Spider Spikes traction device. The Spider Spikes were installed on a 2003 Ford Crown Victoria Police Interceptor and was tested in excess of 100 miles under adverse road and weather conditions. The Spider Spikes were operated on wet pavement, heavy slush, ice and snow at depths up to four inches. The Spider Spikes performed excellent under all conditions. In addition, the wear on the studs was minimal when operating on wet pavement. Test results revealed that the maximum smooth operating speed was at 50 mph. Test results also revealed the following positive results: easy installations, fast removal, no tire chain damage to vehicle sides. The negative test results included the following: cost - \$330.00 per set, storage problems – can not be rolled up like chains, spider spikes are not readily available to the consumer.

Monthly Shop Report for Elko:

During the month of January, the Elko mechanics shop reported two Impala cooling fan failures. These cooling fans were covered under extended factory warranty. In addition, one Chevy Impala had a neutral safety switch failure. This switch was located inside the transmission and required the removal of the transmission. This repair was covered under extended factory warranty. The Elko shop also replaced two exhaust cross over pipes on two Chevy Impalas. These repairs were completed by NHP mechanics and were not covered under factory warranty.

The Elko Shop reported two 2003 Ford Crown Victoria Police Interceptor alternator failures. These alternators were replaced with the upgraded 2004 alternator and

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wiring package (P/N 4W7Z-10346-AD). This is a 200 amp alternator that should prevent further electrical problems. This repair was not covered under factory warranty.

The Elko mechanics shop reported two 2004 Ford Crown Victoria Police Interceptor transmissions failures. Since both of these vehicles had low mileage, the Fleet manager notified Ford Fleet for recommendations. Ford Fleet provided NHP with a TSB bulletin (TSB 04-16-3) that recommended the reprogramming of the transmissions computer to correct the overdrive problem. However, the reprogramming causes another problem. The engines were not receiving adequate fuel at high speed. Ford Fleet then recommended an upgraded fuel pump (P/N 4W1Z-9H307-AA). After the fuel pump was installed, Troopers reported a significant improvement in performance. NHP Fleet is working with Ford Motor Company to correct all 2004 Ford Crown Police Interceptors. This upgrade was covered under factory warranty.

Monthly Shop Report for Las Vegas:

During the month of January, The Las Vegas mechanics shop reported four 2004 Ford Crown Victoria Police Interceptor transmission failures. Due to the excessive failure rate, The Fleet Manager directed the Las Vegas shop to immediately reprogram all 2004 transmissions as per TSB 04-16-03 and replace all effected fuel pumps. The transmissions repairs were covered under factory warranty.

The Las Vegas Shop mechanics shop has only two Chevy Silverado Pickups left to replace camper shells with the recently purchased tonneau covers. Troopers have noted a significant increase in vehicle performance and gas mileage after the removal of the camper shells.

All of the 2004 units were built and put into service. The Las Vegas Shop is waiting for the 2005 vehicle arrival.

The Las Vegas Shop is waiting for State Personnel to complete a hiring list so that they can fill the vacant mechanic position.

Monthly Shop Statistics

Overtime worked for January 2005:

<u>Reno Shop</u>	<u>Elko Shop</u>	<u>Las Vegas Shop</u>
67.0 hours	10 Hours	78.5 hours

Overtime Justification:

Reno: 63.0 hours Vacant Position Coverage
4.0 hours callout

Elko: 10 hours coverage

Las Vegas: 63.5 hours coverage vacant position
15.0 hours call out

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Repairs completed January 2005:

<u>Reno Shop</u>	<u>Elko Shop</u>	<u>Las Vegas Shop</u>
44 PM Services	32 PM Services	64 PM Services
84 Repairs	63 Repairs	133 Repairs
(5 outside repairs)	(24 outside repairs)	(0 outside repairs)
Totals: <u>128</u>	<u>95</u>	<u>197</u>
Total Statewide services and repairs: 420		

Note: PM stands for preventative maintenance services

Vehicle Registrations:

Procedures were established in which Terry Lukas registers vehicles when vehicle status reports are received in Fleet Headquarters. Status reports are completed at the NHP shops and forwarded to Headquarters for processing. All NHP vehicle registrations are current.

F/Y 2005 Fleet Vehicle Orders:

F/Y 2005	Ford Crowns	Expeditions	Durango's
Las Vegas	<u>24</u>	<u>3</u>	<u>1</u>
Reno	<u>13</u>	<u>2</u>	<u>1</u>
Elko	<u>16</u>	<u>3</u>	<u>2</u>
Total	<u>53</u>	<u>8</u>	<u>4</u>
Estimated Delivery Date:	2/15/2005	1/13/2005	2/10/2005

The Durango's, Ford Expeditions and the Ford Crown Victoria Police Interceptors have been crash tested by NHTSA and all the vehicles that the Nevada Highway Patrol purchased have received a **Five Star** Crash Rating*.

*source <http://nhtsa.dot.gov>

*<http://automotivedigest.com>

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Current Fleet Test Programs

Delco-Delphi Batteries	17 units	Las Vegas
Michelin Tires	25 units	Las Vegas
Michelin Tires Commercial Enforcement	18 units	Las Vegas
Whelen CenCom Siren Controller	3 units	Reno
	2 units	Elko
	5 units	Las Vegas
Infineum Test Oil	16 units	Elko
	7 units	Reno
	17 units	Las Vegas
Code Three LED Overhead Light Bars	6 units	Elko
	6 units	Reno
	3 units	Las Vegas
DVD Digital In-Car Video System	1 unit	Reno
Dodge Durango	1 unit	Reno
	2 units	Elko
	1 unit	Las Vegas
Rollgard Suspension System	2 units	(Pending)
Spider Spikes Traction Device	1 unit	Reno (complete)

All parts, oil and equipment testing is furnished at no cost to the Division for Infineum Oil testing. Initial field test reports on the LED overhead light bars have rated the equipment as exceptional. The DVD digital in-car video reports have been rated excellent.

The Durango test program has had very favorable results at the present time. Whelen CenCom Siren Controllers reports very favorable results.

Windshield Damage Report:

	<u>Unit</u>	<u>Amount</u>
F/Y 2005 (January 2005)		
Southern Command	4	open
Northern Command	1	open
Central Command	3	open
Total	<u>8</u>	<u>pending</u>

Accident Damage Report:

	<u>Units Damaged</u>
F/Y 2005 (January 2005)	
Southern Command	6 (1 trooper fault)
Northern Command	7 (3 trooper fault)
Central Command	2 (1 trooper fault)
Total	<u>15</u>

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January Crash Fund Balance: \$ 59,661.00

January Crash Fund Checks Not Posted: \$28,035.06

Auction Proceeds from October 16, 2004: \$ 94,760.00

(Reimbursement to the Highway Fund from Auction Proceeds)

Fuel Data Charts for NDOT, Western Energetix, Chevron, Union and Texaco:

N-DOT Monthly Fuel Data

4713-04

NDOT GAS

DATE	MONTH OF BILL	BILLING CLAIM #	AMOUNT	GALLONS OF GAS	AVERAGE COST PER GALLON
7/31/04	July		\$ 84,085.64	44903.9	\$ 1.84
8/31/04	August		\$ 85,682.99	46656.8	\$ 1.84
9/30/04	Sept.		\$ 87,677.00	48245.8	\$ 1.82
10/30/04	Oct		\$ 80,199.50	41843.8	\$ 1.92
11/30/04	Nov		\$ 96,537.18	49295.6	\$ 1.96
12/31/04	Dec		\$ 84,994.16	47716.6	\$ 1.78
1/31/05	Jan		\$102,280.63	59150.4	\$ 1.73
	Feb				
	Mar				
	April				
	May				
	June				
	July				
Total			\$ 621457.10	337812.90	\$1.80

Western Energetix Monthly Fuel Data:

DATE	WESTERN ENERGETIX	GAL	DATE	GAL	CHEVRON
7/31/04	\$ 5,370.85	\$1.77	7/31/04	\$1.89	\$ 2,774.00
8/31/04	\$ 5,060.56	\$1.81	8/31/04	\$2.59	\$ 1,565.85
9/30/04	\$ 5,588.11	\$1.86	9/30/04	\$2.80	\$ 2,384.58
10/30/04	\$ 4,044.93	\$1.96	10/30/04	\$2.80	\$ 1,726.14
11/30/04	\$ 1,918.27	\$2.01	11/30/04	\$2.79	\$ 2,928.31
12/31/04	\$ 3,783.87	\$1.90	12/31/04	\$2.39	\$ 1,204.17
01/31/05	\$ 4,841.95	\$1.89	01/31/05	\$2.35	\$ 569.75
TOTAL	\$ 30,608.54	\$1.91	TOTAL	\$2.50	\$ 11,948.63

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Conoco/76 Monthly Fuel Data:

FUEL REPORTS				
Conoco/76				
10/30/04	\$ 26.88			
TOTAL	\$ 26.88		TOTAL	

Fuel Totals:

N-DOT	\$ 621,457.10
Western Energetix	30,608.54
Conoco/76	26.88
Chevron	\$ 11,948.63
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	\$ 664,041.15

Fuel Budgeted for FY05	\$ 789,977.00
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For fiscal year 2005, NHP was budgeted **\$789,977** for fuel at **\$1.21** per gallon.

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FLEET INVENTORY

Northern Command by Department

DEPARTMENT

Traffic			94	
COMMERCIAL			19	
ADAPT			3	
ACADEMY			11	
UNASSIGNED			19	
CVSI			4	
LOANER			0	
RADIO SHOP			2	
RECONSTRUCTION			1	
SHOP TRUCK			1	
SPARE			10	
ADMINISTRATIVE			0	
STORE KEEPER			1	
STRIP FOR TURN IN			4	
GOV DETAIL			4	
TAXI			6	
MOTORHOME			1	
MOTORS			7	
MCSAP			3	
TRAILERS			9	
OUT OF SERVICE			0	
PLANE			1	
Units Exceeded			0	

FLEET INVENTORY

CENTRAL COMMAND

DEPARTMENT

NUMBER VEHICLES

Traffic	69		
COMMERCIAL	13		
UNASSIGNED	5		
ADAPT	0		
CVSI	2		
LOANERS	0		
RADIO SHOP	1		
RECONSTRUCTION TRUCK	1		
SHOP TRUCK	1		
SPARE	5		
ADMINISTRATIVE EVIDENCE	1		
STRIP FOR TURN IN	6		
TAXI	2		
TRAILERS	11		
MOTORHOME	1		
Units Exceeded	0		

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Southern Command by Department				
DEPARTMENT	NUMBER VEHICLES			
TRAFFIC			116	
COMMERICAL			21	
UNASSIGNED			11	
CVSI			4	
LOANER			11	
RADIO SHOP			3	
RECONSTRUCTION			1	
SHOP TRUCK			1	
SPARE			0	
ADMINISTRATIVE Evidence			1	
STORE KEEPER			1	
STRIP FOR TURN IN			1	
GOV DETAIL			1	
TAXI			5	
MOTORHOME			1	
MOTORS			7	
MCSAP			1	
TRAILERS			10	
EXCESSED			0	

